## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

## **Listing of Claims:**

- 1. (canceled).
- 2. (canceled).
- 3. (canceled).
- 4. (canceled).
- 1 S. (currently amended) An apparatus for generating coefficients to reduce the output energy and bandwidth of an intermittent signal, comprising:
  - a digital filter, and

a controller operable to calculate the energy in at least a first truncated tail data field as a function of at least a first ramp data field and at least a first data field, and operable to take a partial derivative of the energy in said at least the a first truncated tail data field with respect to said at least the a first ramp data field, and operable to generate an equality by setting said partial derivative equal to zero, and operable to solve said equality for said at least the a first ramp data field as a function of said at least the a first data field thereby generating at least a first coefficient coupled to said digital filter.

—for reducing the output energy and bondwidth

2 6. (currently amended) The apparatus of claim 8, and wherein said energy in said at least the a first truncated tail data field is also a function of digital filter tap coefficients.

- 7. (canceled).
- 8. (canceled).
- 9. (canceled).
- 10. (canceled).
- 31. (currently amended) A method generating coefficients for reducing the output energy and bandwidth of an intermittent signal in a digital filter, comprising the steps of: calculating the energy in at least a first truncated tail data field as a function of at least a first ramp data field variable and at least a first data field variable;

taking a partial derivative of the energy in said at least the a first truncated tail data field with respect to said at least the a first ramp data field variable;

of the energy.

writing an equality by setting said partial derivative equal to zero;

solving said equality for said at least the a first ramp data field variable as a function of said at least the a first data field thereby generating at least a first coefficient, and

coupling said first coefficient to the digital filter for processing of the intermittent signal.

reducing the sulpit energy and bandwidth

4 12: (currently amended) The method of claim 11, and wherein said energy in said at least the a first truncated tail data field is also a function of digital filter tap coefficients.